



User's Guide

NVIDIA MCE Remote Control Using the MCE Remote Control in North America

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NVIDIA MCE Remote Control and Receiver Kit

This User's Guide provides basic set-up and operation instructions for the NVIDIA® MCE Remote Control and Receiver Kit. Please consult the NVIDIA DualTV Quick Start Guide or NVIDIA DualTV User's Guide for DualTV setup procedure.

This kit is only compatible with a Microsoft® Windows® XP Media Center Edition (MCE) PC. For more information about Microsoft Windows XP Media Center Edition, please visit: <http://www.microsoft.com/windowsxp/mediacenter/default.mspx>.

Highlights

Bring all of your entertainment choices to your fingertips with the NVIDIA MCE Remote Control and Receiver Kit

- ❑ Easily navigate your Microsoft® Windows® XP Media Center Edition (MCE) PC from your couch
- ❑ Control your set-top box with your MCE PC
- ❑ Select your favorite programs using the on-screen program guide
- ❑ Run picture slide shows
- ❑ Play your favorite music
- ❑ Play your DVDs
- ❑ Adjust TV, display and A/V playback settings in MCE
- ❑ Switch your MCE PC into or out of standby mode
- ❑ Install and use in seconds
- ❑ USB plug-and-play
- ❑ Automatic configuration in MCE
- ❑ Ergonomic design

Note: The remote control is not a universal remote. It can only be used to control MCE and (indirectly) your DualTV and a set-top box if you hook up the IR blaster (emitter).

A remote control and receiver with IR blaster (emitter) is required for the MCE PC to control a set-top box.

Specifications

- ❑ Fully compatible with Microsoft® Windows® XP Media Center Edition
- ❑ Infra-red (IR) remote control
 - Transmit indicator LED
 - Effective transmission range: 23' (7 m)
 - Dimensions: (LxWxH): 7.5" x 2.4" x 1.1" (191 mm x 60 mm x 27 mm)
 - Weight: about 3.5 ounce (100 gram) excluding batteries
- ❑ USB bus-powered IR receiver unit
 - Dual IR blaster (emitter) ports
 - USB standard: compatible to USB 1.1 and 2.0
 - USB type B socket
 - USB speed: 12Mbps
 - Operating angle: +/- 10 degrees from centerline
 - Dimensions (LxDxH): 3.2" x 2.7" x 0.9" (81 mm x 68 mm x 22 mm)
- ❑ IR blasters
 - Each blaster controls one set-top box
 - 3.5 mm jacks
 - Cable length: 16' 4" (5 m)
- ❑ USB cable
 - Detachable from the IR receiver unit
 - Length: 9' 10" (3 m)
 - USB type A plug on the PC side and type B plug on the receiver side

System Requirements

- ❑ Microsoft® Windows® XP Media Center Edition 2005 (original version or Update Rollup 2 - please check the NVIDIA Web site for compatibility information with the latest major MCE updates)
- ❑ Available USB 1.1 or 2.0 port

Unpacking and Installing the MCE Remote Control and Receiver

IMPORTANT: If you are installing a tuner card in your MCE PC at the same time as the remote control, NVIDIA recommends that you connect the USB IR receiver unit to your PC after you finish the software installation for the tuner card.

If you are using the MCE USB IR receiver to control a set-top box, please connect the receiver to your MCE PC before you perform the **Setup TV Signal** step in MCE.

NVIDIA recommends that you download and apply the latest MCE update before you install this MCE remote control and receiver kit. Visit <http://www.microsoft.com/windowsxp/downloads/updates/mediacenter.msp>

Package Contents

When you get your NVIDIA MCE Remote Control and Receiver Kit, take time to go through the kit and make sure you have all the parts. Figure 1 shows the contents of the kit.



1. NVIDIA MCE Infra-red (IR) remote control
2. MCE USB IR receiver with detachable USB cable
3. Two IR blaster (emitter) cables
4. Two 1.5V batteries (size AA)
5. NVIDIA MCE Remote Control Quick Start Guide

Figure 1. Package Contents

Installing the Batteries

Follow the procedure below to install the batteries into the remote control unit.

1. Remove the battery cover at the back of the remote control unit.
2. Insert the two AA 1.5V batteries included in the kit.
Make sure the battery terminals are oriented properly as indicated by the marking in the compartment.
3. Reinstall the compartment cover.
4. Press any key on the remote unit. If the transmit indicator LED lights up, the remote control unit is operating properly.

Note: Do not mix new and old batteries or alkaline with non-alkaline batteries.
Do not use worn or leaking batteries.

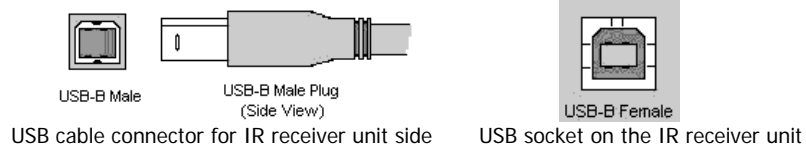
Installing the IR Receiver

1. Place the USB IR receiver in a convenient location. Consider the following:
 - The remote works within a distance of 23 feet (about 7 meters). There should be an unobstructed line-of-sight from the remote control to the receiver.
 - Avoid placing the receiver where it will be subject to intense heat or intense light.
 - The USB cable is **9 feet 10 inches** (3 meters) long. Be sure the receiver is within this distance from your MCE PC.
 - The IR Blaster cable is **16 feet 4 inches** (5 meters) long. Be sure your set-top box (if used as input to MCE) is within that distance from the IR receiver unit (which controls the set-top box via the IR blaster).

Skip step 2 if you are not using a set-top box (that is IR-controlled) as signal source to your MCE PC (see Figure 2).

2. Use the following procedure to set up the IR blaster (emitter) cable.
 - a) Connect the IR blaster cable to the back of the IR receiver unit. Use the connector port marked “1” if you have only one set-top box.
 - b) Locate the remote control (IR) sensor window on your set-top box. This window is usually located at the front of the equipment. Refer to the manual that comes with your set-top box if needed.
 - c) Remove the paper sticker from the red plastic emitter LED of the IR blaster. Place the sticky side of the emitter LED directly on the set-top box IR sensor window. Do not totally block the window, since that may prevent you from using the IR remote that comes with the set-top box.

3. Connect the IR receiver unit's USB cable to your MCE PC.
 - a) Make sure the USB cable is plugged into the back of the IR receiver unit.



- b) Power on your PC.
 - c) Insert the plug of the USB cable into an available USB port on your PC. Windows will recognize and configure the device automatically.

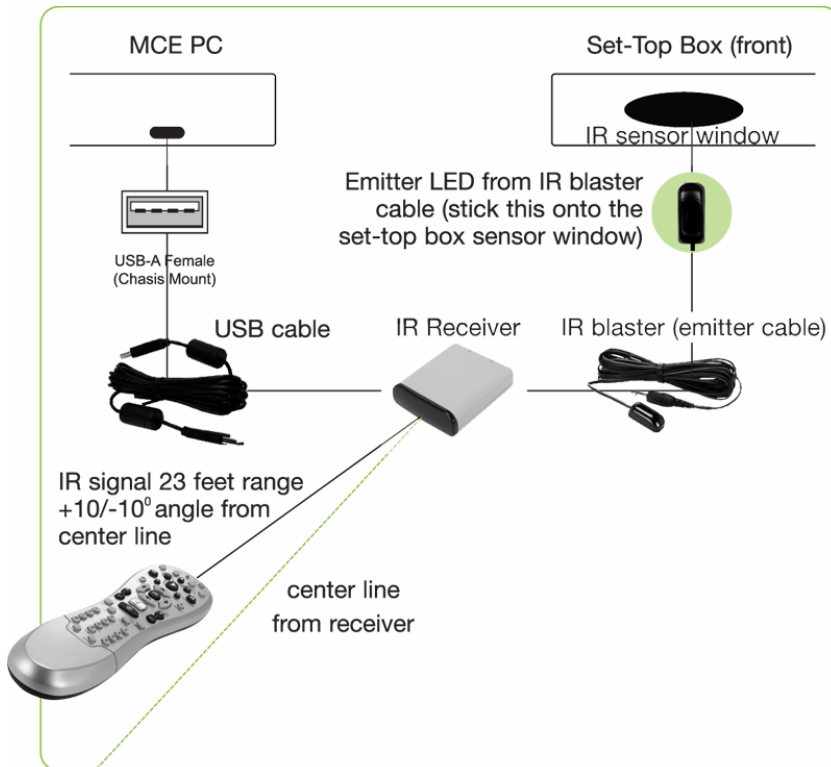
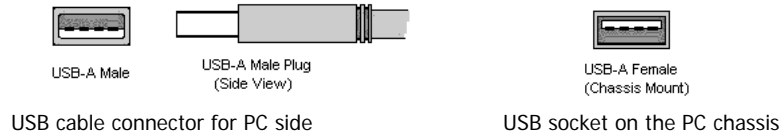


Figure 2. Connecting the NVIDIA MCE Remote Control Receiver

Configuring the MCE Remote and Receiver

There is no configuration step required if you are not using a set-top box with your MCE PC.

If you are using your remote control with a set-top box, you need to run the TV Setup Wizard in MCE. To run the Wizard, select the Windows **Start** menu and launch the **MCE** application. If you do not go directly into the TV Setup Wizard, select **Settings** from the MCE main menu. Select **TV** and then select **Setup TV Signal**. Follow the directions in the Wizard. The Wizard will guide you in configuring the MCE remote receiver and IR blaster for your set-top box.

Operating the MCE Remote Control

Make sure you are standing or sitting within 23 feet of the MCE IR receiver unit and that you maintain an unobstructed line-of-sight with the MCE IR receiver unit. Point the remote unit at the IR receiver unit while pressing the remote buttons.

Figure 3 shows the functional grouping of the buttons on the remote control. Figure 4 shows the remote control button layout with button descriptions. Table 1 lists each button with its function, grouping, and picture of the button. Use these figures and table to learn the operation of your new remote control.

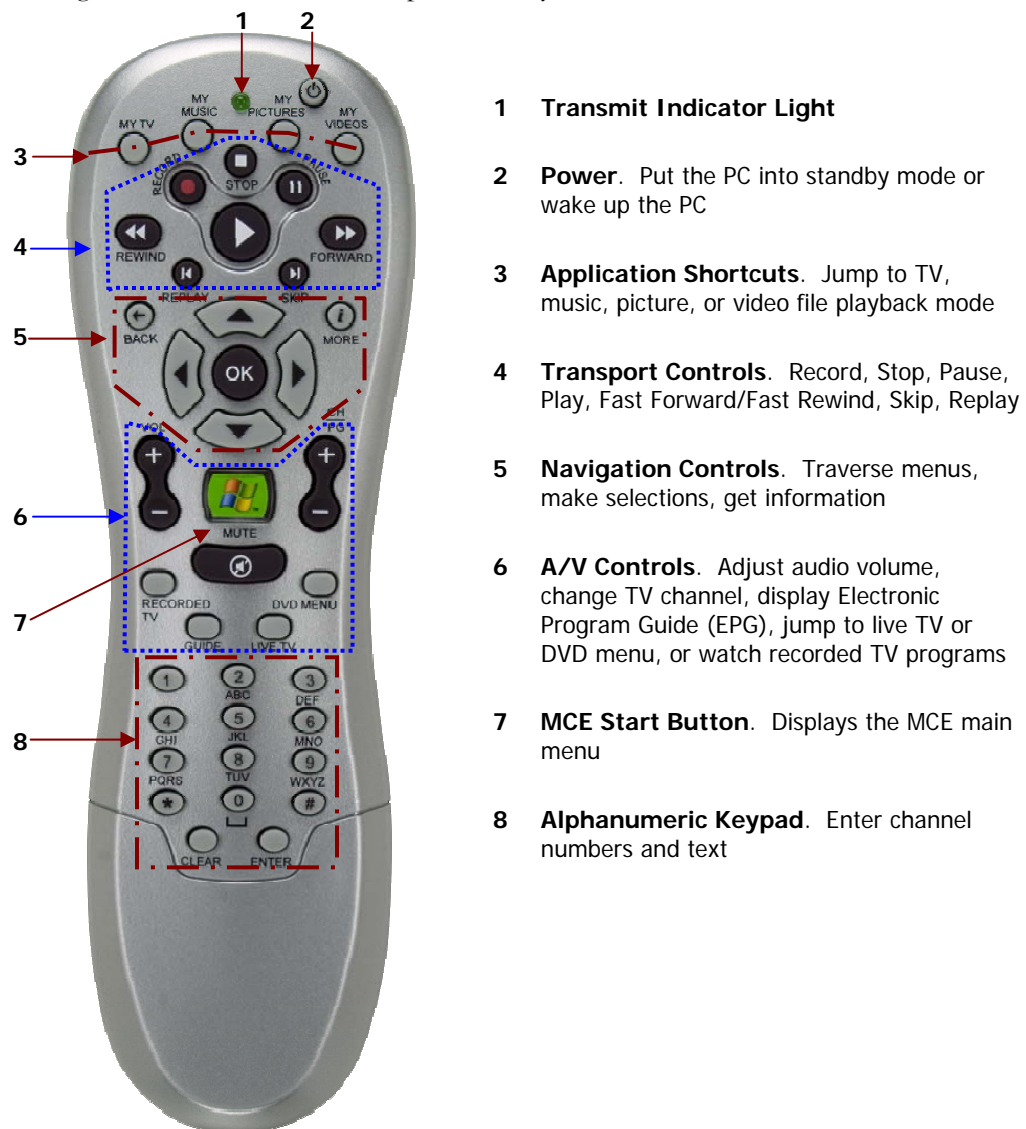


Figure 3. Remote Control Functional Button Groupings

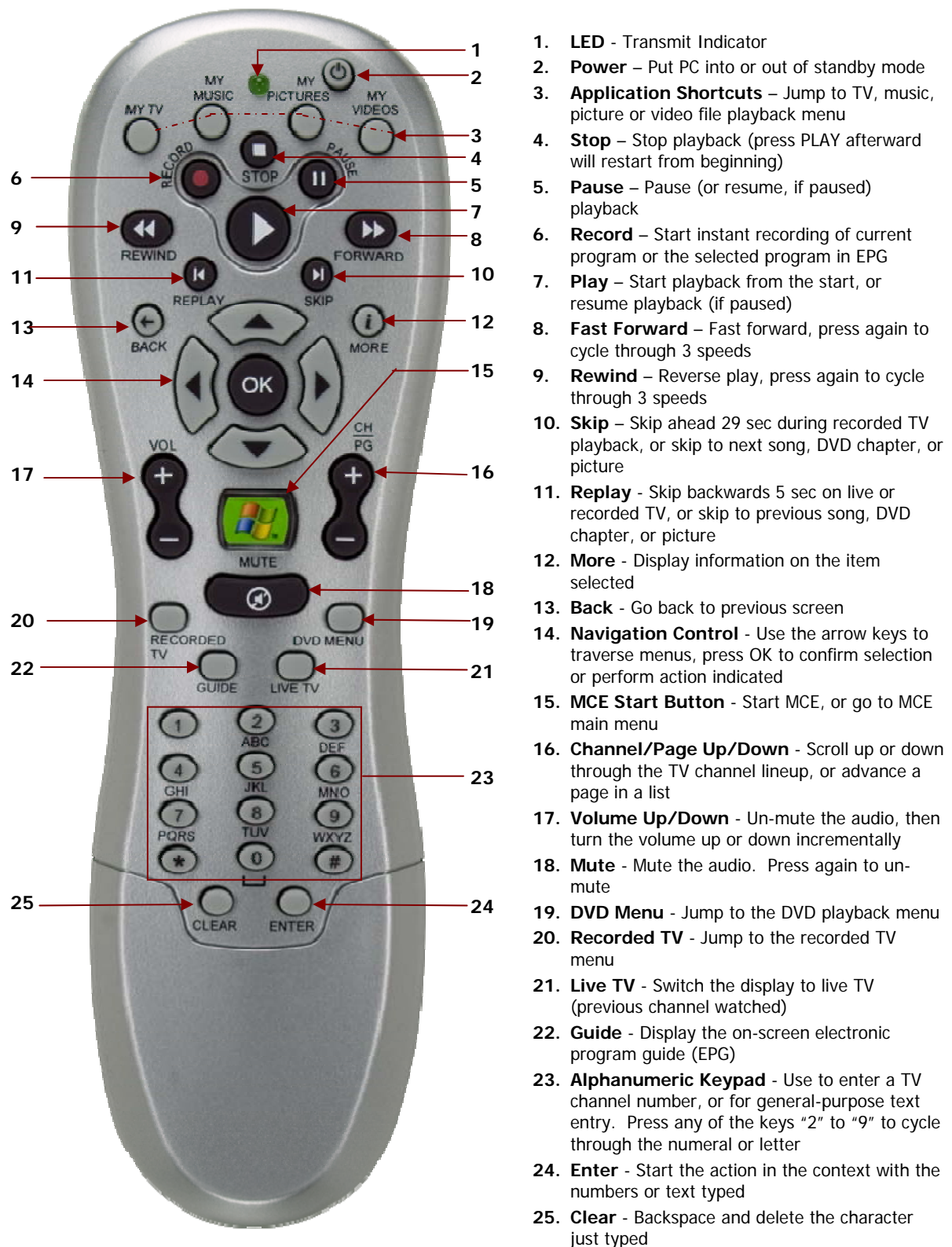



































Figure 4. Remote Control Button Layout

Table 1. Remote Control Button Reference Table

	Remote Key	Symbol	Function
	Power		
	Power (Standby)		Put the system into standby, or wake it up from standby
	Navigation Control		
	MCE Start Button		Start MCE, or go to MCE main menu
	Up		Go to item above
	Down		Go to the item below
	Left		Go to the item on the left, or go to previous picture during slideshow
	Right		Go to the item on the right, or go to next picture during slideshow
	OK	OK	Confirm the selection. Perform action indicated.
	Back		Go back to previous screen
	More		Display information on the item selected
	Application Shortcuts		
	My TV		Jump to the My MTV menu
	My Music		Jump to the My Music menu
	My Pictures		Jump to the My Picture Menu
	My Videos		Jump to the My Videos menu
	Transport Control		
	Play		Start playback of media from the start, or resume (if paused) from current position
	Pause		Pause playback (or resume if already paused)
	Stop		Stop media playback (pressing PLAY afterwards will restart from the beginning) or a recording
	Record		Starts instant recording of the currently showing program, or the selected show on the electronic program guide
	Fast Forward		Fast forward the playback; press again to cycle through normal, 3x, 20x or 60x speed. Skip to the next picture during slideshow

	Remote Key	Symbol	Function
	Rewind	 REW	Reverse play; press again to cycle through normal, 3x, 20x or 60x speed. Skip to the previous picture during slideshow
	Skip	 SKIP	Skip ahead 29 sec during recorded TV playback, or skip to the next song, DVD chapter, or picture
	Replay	 REPLAY	Skip backwards 5 sec on live TV or recorded TV, or skip to the previous song, DVD chapter, or picture
	Audio-Visual Control		
	Volume+ or Volume-	 VOL	Un-mute the audio, then turn the volume up or down incrementally
	Chan/Page+ or Chan/Page-	 CH PG	Scroll up or down through the TV channel lineup, or advance a page in a list
	Mute	 MUTE	Mute the audio. Press again to un-mute
	Guide	 GUIDE	Display the on-screen electronic program guide (EPG)
	Live TV	 LIVETV	Switch the display to live TV (previous channel watched)
	Recorded TV	 RECORDED TV	Jump to the recorded TV menu
	DVD Menu	 DVD MENU	Jump to the DVD playback menu
	Alphanumeric Keypad		
	0	0	Use to enter a TV channel number, or for general-purpose text entry in MCE
	1	1	
	2	2 - ABC	
	3	3 - DEF	
	4	4 - GHI	
	5	5 - JKL	
	6	6 - MNO	
	7	7 - PQRS	
	8	8 - TUV	
	9	9 -WXYZ	
	'#'	#	Press any of the keys 2 to 9 to cycle through the numeral or letter associated with that key
	'*'	*	
	Enter	ENTER	Start the action in the context with the numbers or text typed
	Clear	CLEAR	Backspace and delete the character just typed

Troubleshooting

1. Determine if your remote control unit has a good battery.
 - ❑ If the transmitter indicator LED is not lit when you press a key on the remote, try replacing the batteries (use new ones only).
 - ❑ Verify that the battery terminals match the indicators in the compartment, and ensure both the metal contacts in the compartment and the battery terminals are clean.

Note: Do not mix new and old batteries or alkaline with non-alkaline batteries.

2. Determine if you are operating the remote unit in a proper location relative to the IR receiver unit.
 - ❑ Verify the placement in terms of factors mentioned in the Installing the IR Receiver section, including line-of-sight, possible obstructions, other light source, and heat source.
 - ❑ Ensure that the remote unit is held within the angular limit relative to the receiver unit, i.e. within 10 degree angle on either side of the *centerline* (a straight line perpendicular to the front bezel of the IR receiver unit).
 - ❑ Determine if the MCE user interface is open and active and not minimized on the Windows desktop. If needed, press the green MCE Start button.
3. Verify through visual inspection that the USB cable connecting the IR receiver and the PC has not been damaged.
 - ❑ Replace the cable if damaged.
 - ❑ If you are using another USB cable, make sure the length does not exceed the length (**9 feet 10 inches** — around 3 meters) of the one that comes with the MCE remote.
4. Verify that the USB cable is plugged securely into both the IR receiver unit and the PC.

5. Verify that the USB IR receiver device is operating properly under the MCE operating system.

- ❑ Go to the Windows **Start** menu on the desktop, select **My Computer**, then right-click **Properties**.
- ❑ Select the **Hardware** tab, and then click **Device Manager**.
- ❑ Look for and expand **Universal Serial Bus Controllers**.
- ❑ Right-click **eHome Infrared Receiver** to verify the device is enabled and operating properly.



Support and Warranty

Visit the NVIDIA Customer Care web site (listed below) to get information on support, contact the technical support team, or browse the online knowledge base.
www.nvidia.com/support

The following site provides detailed warranty information about the NVIDIA DualTV and other NVIDIA products.
www.nvidia.com/warranty

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Product Handling

Do not mix new and old batteries or alkaline with non-alkaline batteries. Do not use worn or leaking batteries. Do not tamper with the batteries or expose them to fire or intense heat. Keep batteries out of children's reach. Remove batteries if you are storing the remote control unit for an extended period of time.

Do not submerge this product in water or otherwise allow liquid to go into the housing. Use only a damp cloth and gentle soap when cleaning. Detach the USB receiver from the PC before cleaning.

Dispose this product or the included batteries in accordance with relevant national or local laws.

Microsoft Certification

Designed for Microsoft Windows XP Media Center Edition



Regulatory Information

U.S.A.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Warning

Any unauthorized changes or modifications not expressly approved by the NVIDIA could void the user's authority to operate this device.



Canada

This class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la Classe B conforme à la norme NMB-003 du Canada.

Europe

This device complies with the CE requirements of the EEC directive 89/336/EEC as amended by 92/31/EEC with regard to electromagnetic compatibility.



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NVIDIA.

NVIDIA Corporation

2701 San Tomas Expressway

Santa Clara, CA 95050

www.nvidia.com